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U.K.			International Barrick options Nevada	IA	J1		First month at Summitville Lower U.S. phosphate	IA	J433	Zambian amethyst dispute Zambian colliery revival	IA	J471 N472
Gold Fields ventures into coal tips U.K. coal productivity boost	IA	J010 J011	ground Crown Resources/Echo Bay	IA			Consumption Pine Flat feasibility study	IA	J433 J451			
Cheap energy for Ulster? Geevor delays redundancies	IA IA	J021 J044	Fortitude mine reserves	IA	J1		Cimarron/Placer venture Rawhide permits granted	IA IA	J470 J471			
Gold search progress Concord exploration	H	J075 M011	upped Reorganization at Morenci Asarco shuts Columbus plant	IA IA	J1	18 18	First gold and silver bars from Paradise Peak,					
U.K. Co-operation is mineral	MA	J093	St. Joe's offer rejected Further contraction in U.S.	IA	J1 J1	19	Nerwia Summitville start	H	M465 M473			
Ekco acquired by Morganite Bobbins' U.K. licencing	IA	J100 J100	Dispute over Red Dog land Tundra assays awaited	WW XA	J1 J1	29	Sunshine shut down	H	M473 M473	ZIMBABWE		
Wimpey to win coal Shaft sinking in South Wales	IA	J100 J110	Elk City programme for Alotta	IA	J1		Sleeper wakes up	В	M474	Empress nickel reopens Austria/Zimbabwe copper	IA	J099
Impressive performance from chains in F.R.G. salt			Pioneer buys Stibnite gold	EA	J1	39	U.S.S.R.			plans Zimbabwean coke project	AI	J139 J211
James starts drilling in Ireland		J133 J153	Stockpile sale movem Silver State in Nevada	IA	J1 J1	53			J011	ZMDC activities About turn in Harare	IA	J284 J293
Treising	1A	4103	Montana Tunnels permit	IA	J1:	53	Snamprogetti in Siberia	IA	J027	More investment is mining	TAM	J446
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Methods and Machines

	ASSAY METHODS			Mono-rail suspended drillin jumbo	g M	M523	Waste management symposium U.K. minerals Goslar lead conference	IA IA	J361 J380 J396	Aluminium workers unite Philippines strike off ERA workers push safety	IA	J195 J195
	Advanced portable X-ray spectrometer On-stream particle size	м	M078	EDUCATION & TRAIN	ING	,	Goslar lead conference Mining and restoration African mining Pyrometallurgy '87'	IA IA	J410 J434 J452	More trouble at Vaal Reefs	IA IA	J211 J211
	On-stream particle size analyser Wineral sample preparation	M M	M163 M263	Short courses at Leeds Strathclyde	IA IA		Radiation protection - China	IA	J472 J472	Al union selects priorities Outokumpu troubles Centromin workers return	IA	J211 J211 J211
	AUTOMATION & CONT	P	21	Not an ivory tower	E	M461	Mineral processing - current problems and future prospects	A	M517	Nonoc refinery strike bound Boliden seeks redundancies White unions declare dispute	IA IA	J245 J245 J245
	Monitoring package for mine			ELECTRICAL EQUIPM	ENT	r	EXPLORATION			White unions declare dispute Baie Comeau agreement Industrial relations unrest	IA N MW	J245 J253 J257
	Automatic control and monitoring of Shearers	_	J008	Safe cables for underground mines Catch-restrained waterproof	М	J133	BRGM consolidates	MW	1005	Coal miners strike Kennecott plans talks Inspiration plans talks	IA IA	J257 J266 J266
	COAL TECHNOLOGY		****	plug and socket	М	J260	Computanized horehole	н	J008	Inspiration plans talks Norwegian dispute Falconbridge stoppage	IA	J266 J266
	New cost clurry technique	м	J008	ENERGY & POWER	200	LIES	logging New Zealand: 1984 review In search of Pacific gold Prospects abound in Saudi	IA N	J026 J069	Newmont offer rejected Centromin strike settled Norwegian dispute	IA IA	J266 J286 J286
	New low cost rock drill for	м	J077			JO53		MM	J073 J094	Chile: problems at Chuqui Penoles settles dispute Australian coal strike ends	IA	J296 J306
	Microscope photoLeter system New approach to examination of colliery waste tips	M	M075 J132	China's energy production growing steadily	A	MO41	Exploration success Exploration drilling rigs Can Argentina develop a	A	M117	Australian coal strike ends Amax rescinds force majeure		J306 J306 J325
	Major underground and	м	J151	Energy outlook China's energy production growing steadily China's energy needs China's energy drive Reliable operation of U.K.	IA	J100 J125	mining industry? Range of proton magnetometers	A	J169	Amax rescinds force majeure May Day stayaway Coal strike in Belgium Retrenchments at Broken Hill Alcoa talks begin Broken Hill dispute Continues	IA	J343 J343 J361
	German coal mining equipment New process for preparing coal-water suspensions	A	M217	power plant Nuclear capacity increases Foreign financing for energy	MA	M163 J167 J189	U.K. exploration update Canadian prospects Tanzania encourages private	IA	J178 J217	Alcoa talks begin Broken Hill dispute	IA	J361 J361
		M	J260 J393	Foreign financing for energy Nuclear power plans revised Heat mining	MA	J189 J220 M241	Tanzania encourages private mining sector Keeping ahead	MM	J220 M179	continues Falconbridge strike over Sudbury pact ratified Kennecott talks make	IA IA	J361 J361 J380
	machines Mining in the Republic of Korea Belt press filters fine coal	A	M394	Camborne's hot rocks	IA	J342				progress	IA	J380
		A	J407 M478 M485	quarries for waste dumping Lignite in Turkey	M A	J376 M425	exploration of Bolivian Eastern Lowlands Eastern bloc countries in seabed minerals search Seismic refraction	P	M183	Broken Hill stalemate Noranda situation unsettled	IA IA	J396 J410
	La Houve colliery Liddell colliery, New South Wales	A	M492	ASEA series capacitors for Canada	м	1429		P	MIOI	S.A.: agreement with white unions U.S. aluminium problems	IA	J410 J410
	Free steered vehicles	A	M502	Camborne hot rocks funded	IA	J451	software for	М	J241	Pensions disagreement Alcan workers follow trend	IA IA	J410 J434
	COMMINUTION & SCRE	EN	HAIC	ENVIRONMENTAL CO	NTF	ROL	New B.C. exploration scheme Malawi drilling Canadian company's	IA	J317 J361	Homestake agreement Quintette strike vote Newmont counter-proposal	IA IA	J434 J434 J434
	High chromium iron alloy for		Allaco	New erosion control system Radiation in mines	M E	M077 M099	additional representation	M	J392	Noranda strikes South African wage talks	IA	J434
	applications	M	J041	Quality pays Advanced technology for SO ₂ removal	E	M279 M352	New portable transmitter Conservation versus resources development	M	J407 J426	delayed Arbitrator for Noranda/USW talks	IA	J452
	mines and quarries Successful installations for	M	J077	Severe mining pollution causes protests in			The mineral potential of	N	J458	Broken Hill: no sollution yet	IA	J472
	grinding and process equipment worldwide Reverse circulation hammer	M	M157	Silesia, Poland	D	M532	Canadian exploration fund	IA	J470	Tentative agreement for Newmont Salary-metal price link	A1	J472
	under test in Canada New support system for	М	M161	EQUIPMENT SUPPLIE	RS		GEOLOGY & ORE RESE			Noranda workers accept pact South African wage rises	IA IA	J472 J472 J472
	scaling hammer Quality pays Crushers and grinding mills	E	J170 M279 M330	Exploration drilling rigs Technology in Mining 86	A	M117 M153	China's tin potential Lithium: resources and	A	M026 M148			
	Hyraulic breakers acquisition	М	J467	Technology in Mining 86 German coal mining equipment BAUMA 86, Munich, F.R.G. Crushers and grinding mills	A	M217 M323 M330	Lithium: resources and prospects Canadian prospects	A N E	J217 M179	LEACHING	N	J385
	COMPRESSORS			Diesel engines in mining Free steered vehicles	A	M415 M502	Keeping ahead Good is not enough	E	11373	More mineral leaching Precious metal heap leaching in North America	A	M405
	Rotary vane compressors for oil-free air			EXCAVATORS & LOAD	ER	S	INSTRUMENTATION					
		M	J429	New LHD from Finland	М	J113	Electronic natural gamma detector probes over			MAINTENANCE		
	COMPUTERS			Finnish loading and transport equipment New tractor-based ripping	M	M160	1 km. Digital conveyor scale Metal detector for mines and	М	J192 M262	Vehicle monitoring systems New conveyor belt cleaner New condition monitor for	M	J024 M078
	Computerized borehole logging Program for underground	М	J008	technology 240-ton capacity bottom dump	M	J191 J224		М	M353	New condition monitor for lubricants Lightweight hydraulic hand	М	J208
	Program for underground coal haulage evaluation Global access to IMM's library by computer	M	J170	coal hauler New motor grader World's largest bulldozer	M	M258	piezometer On-board weighing system Remote control plus	M	J320 J357	Vehicle monitoring systems	М	J301
	bureau service	M	M257	from Japan New loaders from Poland	M	M352 J376	monitoring for mining machinery	м	M522	for trucks Lubricant for surface mining ropes	M	M353
	Seismic refraction interpretation software	м	J241	Cushions extend life of shovel crowd components New elevated sprocket	M	J392	LABOUR			Topes		2430
	New computer-assisted dragline planned	М	J260	New hydraulic excavator	M	M429	Massey dispute resolved	IA IA	J012 J012	MATERIALS HANDLIN	IG	
	line ventilation software	М	M522	series Large new wheel loader Free steered vehicles	M	M430 J429 M502	Impala workers dismissed	IA IA	J027 J044	New coal slurry technique Moving bed coal bunkers Coarse coal slurry trans-	M	J008 J009
1	CONSTRUCTION			EXHIBITIONS & MEETI	NC		MMC retrenchments Chile's union elects leader	IA	J044 J044	Coarse coal slurry trans- shipment system	M	J024
		M	J056	Mineral resources strategies		J012	Geevor delays redundancies Parent restructures Wabco St. Joe talks resume Tribal clash deaths	IA IA	J044 J044 J062	Shipment system New Conveyor installation at Finsch diamond mine Preparatic conveying dystem	K M	J040 J040
		A	1016	Santiago venue for IMM meeting	IA	J012	Southern Peru pay dispute	IA	J062 J081	Massive coal mine/power	p	M008
	DREDGING			Tecnomin '86 Gold 100 Geoscience information	IA IA	J012 J044 J044	Newmont proposes wage cuts Alcan at Sebree plant Rand Mines home scheme Chile cracks down on union	IA	J081 J081 J100	New conveyor belt cleaner Automated conveyor belt de-	M	M078
	Evaluation/decision process for small-scale placer gold mining	A	M312	Asbestos cement Industrie Minerale Energy resources in Asia	IA IA	J044 J062 J062	Feed interruption at Atlas'	IA	J100	Steep angle conveying in Yugoslav open pit	H	MOS1
1	gold mining New floats used in carnallite harvesting	м	M524		IA	J062 J119	plant Union threat at Centromin Phosphate strike in Morocco	IA IA	J100 J100 J100	New wash system removes	M	J115
-	DRILLING			Electra Mining 86, South Africa Technology in Mining 86	M A	J132 M153	SPCC workers accept pay	IA	J119	U.K. company signs steep	M	J151
1	New jackhammers from Czechoslovakia		W079	Technology in Mining 86 13th World Mining Congress AMC at Las Vegas	IA IA	J191 J195 J195	St. Joe's offer rejected Australian coal miners to strike	IA	J119	conveyor agreement with F.R.G. Chains for the mining	И	J151
1	Exploration drilling rigs	Ā	M117	Cerro de Pasco reunion Mining methods '86 Mining History Conference	IA P	J211 M187	Surinam unions angry	IA	J139 J139		M	M157
	impresses Synthetic diamond drilling	M	M159 J169	Mining equipment: West Germany exhibits	MW		More layoffs at Trail Flin Flon labour agreement	IA IA	J139 J139	Coaree coal glurry	M	M259 M261
1	ew drill bits and rods	M	J169 J301	success Mining methods 86 Mining evaluation Mining Indonesia		J276 J286 J286	Strike hits Centromin Strike at Vaal Reefs	IA IA	J155 J155	Digital conveyor scale	H	M261 M262 J241
		М	J320	Mining Indonesia Problems and prospects CIMM coal preparation	IA	J286 J297	Strike at Vaal Reefs Moroccan strike squashed	IA	J155 J155	New computer-assisted	H	J260
1	casing system ew drill rig for narrow	M	J321	CIMM coal preparation BAUMA 86, Munich, F.R.G. 11th Uranium symposium Reduction of SO ₂ emissions	IA	J306 M323 J343	Broken Hill closure threat Reynolds shuts out workers	IA IA	J179 J186 J180	dragline planned Pull-rope emergency switches for conveyors	M	J260
-	casing system lew drill rig for narrow roadway drivage Diamond core drill adapted for helicopter lifts	M	J340	Reduction of SO ₂ emissions Hunter Valley surveyors Computers and the Minerals	IA	J343 J361	Vaal Reefs quiet Vaal Reefs go-slow resolved	AI	J180 J195	Accurate maintenance-free	М	J283
1	for helicopter lifts lew type of mining bit	M	J356 J392	Computers and the Minerals Industry		J361	Rand Mines still disrupted Amax workers on strike	AI AI	J195 J195	radiometric belt	н	J340
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METALLURGY			Jamaica's mining prospects improve	IEW	J128	RECLAMATION			Mine output to rise 1985 lead and size output	MW IA	J136
Mobile tin smelter developed	M	J132	Dispute over Red Dog land Japan cuts mine production	IA	J129 J136	Extracting methane from quarries for waste			The impact of Carajas Lithium: resources and	PLA	J148
in Australia New hydrometallurgical process for copper			World Bank and Mauritania Brazil - promise of demo democracy	IA	J137 J145	dumping	M	J376	prospects Chinese metal imports rise R.O.E. resources reviewed	IA	M148 J179 J201
Top blown rotary converter for Noranda	10	J208 J356	Stockpile sale moves Ontario revenue rime	MA	J149 J149	RESEARCH			Mineral statistics E.E.C. coal output Ghana's mineral output	IA	J221
MINERAL PROCESSING	2	0.550	Can Argentina develop a mining industry? Lithium: resources and	A	M143	Algal gold bloom Uranium dust study	IA	J061 J061	Ghana's mineral output improves IPAI monthly figures	IA	J228
	3		prospects Mixing coal and oil	A	M148 J161	Ice for mine cooling Extractive metallurgy and the 02200	IA	J100 J205	Economics of metals trade Tungsten supply and demand	N	J233
Range of equipment for alluvial mining Automatic filter presses	H	J040	Exploration loan for Chile? IMF loan to Zambia	IA	J179 J179	Keeping ahead Heat mining	E	M179 M241	Mon communist lead output	NIA	J234 J244
for Chile Placer gold recovery plants	M	J056 M075	Tin problems just beginning	H	J185 J186	Bionic bonding Not an ivory tower	IA	J286 M461	Non communist zisc output New market opportunities for	IA	J245
New submicros particle sizer Successful installations for	H	J096	Chile's new mining bank R.O.K. resources reviewed Budget change in U.K.	IA IA	J194 J201 J211				Copper Optional extra Copper: 10 dull years?	MW MW	J256 J258 J273
grinding and process equipment worldwide	М	M157	No change in South Africa Economics of metals trade	IA	J211 J233	SAFETY & HEALTH Low-level carbon monoxide			Mining exports increase A delicate balance	NW	J296 J297
Stainless steel submersible mixer Reagents research centre	M	J191	Coal outlook overturned by	MM	J237	detector Radiation in mines	ME	J113 M099	Supply prospects uncertain Aluminium output down	MW	J299 J305
established in U.K. Centrifugal jig for fine	M	J224	Ambitious plans to revive mining	MM	J238	New portable gas detection instruments	M	W261	The demand outlook for U.S.	IA	J306
minerals Portable, skid-mounted lime	M	M257	Mineral policy for India? Peru to assist small mines Bolivia's mining plans	IA IA	J245 J245 J245	Pull-rope emergency switches for conveyors	M	J260	Coal Trading in minor metals	MA M	M283 J313 J317
Rare earth magnet demon	H	M262 J241	Industrial relations unrest About turn in Harare	N	J253 J293	Safety award for Inco mine Lightning warning system for	IA	J409	Divergent trends South Africa expects record mineral sales	IA	J325
demonstration offered Alumina washing and filtration plant for	_		Trading in minor metals Nicaraguan round-up	NIA	J313 J324	coal mines	-	J448	Nickel study group talks More production, more	IA	J343
China Problems and prospects	M	J281 J297	U.S.S.R. plans radical reform	N	J333	SAMPLING			promotion Lead figures drop	NIA	J349 J360
New shaker for large sieves New products for tankhouse	M	J301	Uranium: after Chernobyl More production, more	HW	J335 J349	New microprocessor- controlled sieving			Iron ore iverview High grade contract for Chicago?	MA	J369
material Mobile tin smelter developed in Australia	M	M353 M354	promotion Iron ore overview East-west trade relations	N IA	J369 J380	device Mobile mineral sample preparation	M	J208 M353	East-west trade relations	IA	J371 J380 J390
in Australia Spiral concentrators for gold and tin recovery	d	J340	Flow-through refinements Boliden unhappy with grants	MW IA	J390 J396		-	m303	Mineral production increases Aluminium output falls Polish mining output in 1985	IA	J396 M379
New hydrocyclone test rig More mineral leaching	M	J356 J385	Good is not enough Polish mining output in 1985	E	M373 M379	STRATA CONTROL			Focus on gold LME restructuring	M	J401 J405
Good in not enough Vacuum-belt filters for	E	M373	Long term benefits of low	MA	J401 J405	New tape extensometer ' New advanced packhole some	M	J024	India's mineral output BIS reports higher official	IA	J410
Movel sand sizing unit	H	M430 J467	prices Zaire finds favour MHO's investment strategy	H	J441 J444	support Compact machine for shothole	M	J056	Rationalization long overdue Weak rand distorts export	ice	J425 J425
Mineral processing - current problems and future			More investment in mining	MA	J446 J457	drilling and roofbolting Fibreglass rock bolts from	M	M077	extraings Philippine statistics	WH IA	J426 J433
prospects	A	M517	Bolivia: some positive signs Bulls and bears Tin - trial of errors	A	J463 M475	Switzerland 'Aqualight' fill is U.S.	М	M081	MHO's investment strategy Aluminium output up	IA	J444 J471
MINING EQUIPMENT						metal and coal mines New grout for sealing	M	J133	Mineral output in Brazil Tim - trial of errors	IA A	J471 M475
German coal mining equipment Hydraulic equipment for	A	M217	PROSPECTING			drillholes New light alloy scaling tool	H	J224 J260	TRANSPORT - GENERA		
mining Mining equipment: West	ш	M258	Scaler audio magnetotelluric system Australian-developed gold	M	J357	New arched mine roadway support	M	J281		aL.	J096
Germany exhibits	MW	J276	detector	M	J448	Axial displacement measurements in rock			Improved off-highway truck Zambian rail delay Field testing an	XA	1099
The mining operations of Metallgesellschaft Evaluation/decision process	A	M300	PUBLICATIONS			Extensometer for strata	H	J281 M354	experimental diesel- trolley truck	D	M268
for small-scale placer gold mining	A	M312	Iron ore - ocean trade	IA	J012	Fully mechanized roof support system	H	J466	On-board weighing system Dump truck adapted for tight	M	J357
BAUMA 86, Munich, F.R.G. Crushers and grinding mills	A	M323 M330	Cokemaking in the Western World	IA	J062 J155	A comprehensive range of roof-bolts	H	M523	turns Diesel engines in mining	A	J377 M415
Stone cutting machinery from West Germany	H	J376	Opapimiskan Lake survey CAME '86 abstracts Latin American gold	IA	J155 J155	Versatile roof-bolting rigs	M	M584	New off-highway truck struts TRANSPORT-		M526
Diesel engines in mining	A	M415	Zinc and its alloys and compounds	R	M164	SURVEYING			UNDERG	ROI	UND
OFFSHORE & DEEP S		INC	Mineral Resources Map of the Circum-Pacific Region	R	M164	Geochemical survey in	IA	J042	Free steered vehicles	Α	M502
New submersible vessel	H	JOS6	Manganese sodules, seafloor sediment and			SMDC joins up Integrated portable	IA	J079	TUNNELLING		
Eastern bloc countries in seabed minerals search	p	N187	sedimentation rates of Circum-Pacific region High heat production	R	M164	geophysical system British Association of	M	M 076	TUNNELLING & SHAFT SI	NK	ING
Seabed exploration for Japan?	IA	J470	granites, hydrothermal circulation and ore			Remote Sensing Companies formed	м	J169	Shaft sinking at Joel		J027
OPENCAST MINING			Bigh-growth metals	R	M164 J195	Electronic distance module British Association of	М	3407	Raise boring achievement at Saxberget	м	Jose
Wining activity in the			Uranium study available Tunnelling '85	R	J195 M254	Remote Sensing Companies	И	M526	Shaft sinking in South Wales Toyo pump in unique		J110
Western World Warkworth open cut coal mine	A	M045 M208	Mining 1986 Tungsten: 1985 Global access to IMM's	R	M354 M354	TAXATION & TARIFFS			configuration Robbins machine on 8-mile	М	J113
Mining equipment from G.D.R.	M	J376	library by computer bureau service	м	M257	India raises duty on lead,			tunnel in U.S. hydro project Robbins machine for Italian	M	3269
PIPES & PIPELINES			Eastern Bolivia atlas The Handbook of Spare Parts	IA	J245	zinc Tax threat to exploration Gold inquiry delayed	IA WW IA	J026 J165 J195	hydro contract Flexible Finnish tunnelling	М	J320
New pinch valve for mineral slurries	M	J077	Materials Management The Economics and Economic	R	M355		1M	9190	men bood	M	3468
95 mile slurry pipeline for phosphate	P	16008	Geology of the Mineral Industries	R	M355	TRADE & STATISTICS			UNIDED ODG. IVE		
Wafer-type non-return valves in Cornish	м	MORG	Highlands' gold Mining 'Scams' Empirical Metallogeny	IA IA	J325 J325 M441	Chromium - political	H	J001	UNDERGROUND MINI	ING	i
mining Internal wear in slurry pipelines and their	-	16083	Memento des Mines at Carrieres 1986	R	M443	European prospects Third quarter analysis New York Comex faces	TAK	J006 J006	Mining activity in the Western World	A	M045
	D	W168 J467	BGS reports on Bolivia and Indonesia		J434	problems New rescue plan	MA	J021 J021	Impressive performance from chains in F.R.G. salt mins	н	J133
			BRGM releases exploration data	IA	J434	New Zealand: 1984 review Canadian machinery prospects	IA	J026 J027	Electronic natural gamma detector probes over	-	4133
POLITICO-ECONOMIC			SME Mineral Processing	R	M528	Titanium: a high flyer Changing pattern for		J027	1 km. Trout Lake mine	M	M300
	N	J001	World Survey of Sulphur Resources	R	N528	phosphate Equipment tender from Irah	IA	J027 J027	The mining operations of Metallgesellschaft	A	M300
	MA	J004	PUMPS & PUMPING			Positive outlook for platinum AMIC survey	HW	J033 J038	Mining in the Republic of Korea New LHD unit	A	M394
mining industry	WM IA	J005 J011	New, tough pump for main			ILZSG lead and zinc Ontario - mine months'	IA	J043	New LHD unit Wendel colliery	A	J448 W478
Ten to twelve	MA	J017 J074	dewatering Special units handle Greek	M	MO74	IPAI figures	IA IA	J043 J043			
Sierra Leone seeks aid Re-evaluation	IA	J081 M005	slurries New pinch valve from Warren-	M	J097	Sticking with copper Energy outlook	MM	J049 J053	VENTILATION & DUST	MT	201
	A	MO45	Morrison High-volume pumps handle	M	M160	Structural changes IPAI reports higher output	IA	J074 J081		.011	ROL
Namibia: tighter mining	MA	J089 J109	mine slurries Sludge pumps for tunnelling Diesel engines in mining	M	J224 J392 M415		A	M045 J092	Improved spray for dust suppression	×	M075
controle?			Preset autions to minjud	15	m410			J092 J099	Flexible rock dust hose	100	M079
controls? Forld Bank loan for Turkey	EA	J118 J118	Tough pumps for abrasive slurries	ы	M525		H	J105	Low-cost dust control system Mine ventilation software		M262 M522

Companies and Other Public Bodies

A			British Association of			Cyprus Minerals	MF		Genbel Investments General Mining Union Corp.	MF	J122
Aardal og Sundal Verk	M		Remote Sensing Companies	M	J169	IA J155 C.Z. Scientific Instruments	ME	J332 J407	ME J015 MF J045	MF	J013
Aberfoyle MF J122 MF J215	1/	3117	British Coal	M	M526 J433				IA J194 MF J213	MF	J214
Ahird Superior	H	J113		P	M467	D			FR 1422	IA	J308 J450
Acoje Mining	ME	J367 J228	British Geological Survey	IA	M183 J325	Data Resources Inc.	MW	J053	General Services Administration	IA	J061
Afro-West Mining	IA	J265	British Wining Consultants	IA	J081	Davidson Tisdale Davis Derby	IA	J059 J260	General Services Industrials Genmin Exploration	s M	M075 J193
A. Ahlstrom Corp. Alcan Aluminium	I A	J031	Broken Hill Associated Smelters	IA	J265	Davy McKee	IA	J264	Geominerals	MF	J384
Alcan Aluminium MP J063 IA J081 MP J311 MF J397	MF	J231 J434	Broken Hill Proprietary MF J102 MF J183 MF J269 MF J290	MF	J014 J251	De Beers	IA	J434 J030	Geominerals Gestra (UK) Ltd. Giant Bay Resources Gibraltar Mines	MF	M083 J289
Alcoa IA J324	MF	J063	MF J269 MF J290	MF	J346 J366	M J040 MW J188 MF J269 MW J276	MF	J197 J327	Gibraltar Mines	MF	J142
Alcoa of Australia	ME	J399	Brush Wellman	MP	J016		ME	J328	Gilson Co. Inc. GLI Corp.	N	J208 J024
Allied Encabba Allis-Chalmers	MF	J104 M135	Bucyrus-Erie	MF	J122 J119	Dee Gold Mining Co. Deelkraal	A	M112 J045	Goldenbell Resources	IA	M353 J116
	й	J467	Buffelsfoatein	MF	J045 J309	Delfilt Ltd.	MF	J289	Colden Dumne	MF	1047
Alpha Wire Corp.	MA	J133 J206	HUMAR	NO.	J309 J376	Delfilt Ltd. Delkor Technik Delta Gold	M	J281 J448	Golden Grove Golden Star Resources Gold Fields of South Africa MF J083 MF J122	MF	J309 M467
Aluminium Bahrain	IA	J118	Bureau de Recherches Geologiques et Minieres	MN	J005	Delta Gold Denison Mines	MF	J065 J067	Gold Fields of South Africa	MF	J045 J451
Alusuisse	IA	J268		IA	J431	MF J101	IA	J434	MF J083 MF J122 Goodyear Tire & Rubber	IA	J241
Amalgamated Metal Trading	MP	J397 J445	Burnett and Hallamshire	MF	J047 J331	Derek Crouch Derek Parnaby Cyclones	IA	J266 J132	Granges Exploration	IA MF	J266 J067
Amax	MF	J047				Deter Co. Inc.	М	M262	MF J332	MW	J336
MF J048 1A J099 IA J119 MF J121	IA	J180	C			Diamant Boart Dobson Park Industries	M	M263 J009	Grants Patch Mining Greenbushes Tin	MF	J478 J028
IA J195 IA J306	MF	J311	C			Dome Mines	MF	J290 J453	Greenex Greenwich Resources	MF	J413 J141
	MF	J417 J452	Cable Belt	IA	J195 J286	Dominion Mining	MF	J331		IA	J194
AMAX Iron Ore Corp.	MF	J031 W257	Callahan Mining	MF	J214	Doornfontein	MF	J045 J289	Grootvlei	MF	J045 J309
			Cambior	MF	J365 J454	Dosco Overseas Engineering	М	J393	Gullick Dobson	M	J056
American Barrick Resources Corp. MF J067 IA J116	MF	J048 J232	Campbell Red Lake	MF	1346	Dowa Mining	IA	J434 J409		М	J281
American Colloid Co.	MF	J412 J224	Canada Tungsten Mining	MF	J381 J010	Dowty Group	M	J151 J410	H		
American Colloid Co. American Cyanamid Co.	M	J224 J224		MF	J436 J230	Dravo Wellman Co.	M	M078			
Amselco Minerals	IA	J360 J100	Canamara Explorations	IA	J025	Dresser Industries Driefontein	IA	J361 J045	Hagby Bruk AB Halifax Tool Co.	M	J356 J321
Anderson Strathclyde	IA	J012	CAP Carl Zeiss	MF	J366 M075		MF	J289	Hambro Resources	IA	J264
Anglo American Coal Corp.	ME	J133 J364	Carr Boyd Minerals	MF	J086	Dubai Aluminium Co. Durban Deep	IA	J396 J045	Hampton Gold Mining Areas	MF	J438 J478
	ME	J416 J037	Catarnillar	MP	J345	G. Düsterloh GmbH	MF	J289 M258	Hansen Transmissions Harmony	IA	J361 J045
Anglo American Corp. MF J065 MF J082 IA J341 MF J411	ME	J037 J246	Caterpillar M J096 M J191 1A J380	A	M301 M429	Duval Corp.	IA	J099		MF	J289
IA J341 MF J411 Anglo American Gold	ME	J414	Central Selling Organization	IA	J011	Dynafloat	H	J392	Hartebeestfontein	MF	J047 J289
Investment	MF	J183	Centromin	MF	J365	-			Heath & Sherwood	EA	J452
Anglo United Dev.	ME	J250 J331	Cerromatoso Chamber of Mines of South	MF	J291	E			Hecla Mining	MF	M163 J141
Anglovaal MF J083	MF	J047	Chamber of Mines of South Africa	MM	J461	E&C International	IA	J100	Helix Resources	IA	J342 J383
Apex Mines	MF	J083	Charbonnage de France	ME	J476 M478	Eastern Petroleum Eastern Transvaal Cons.	MF	J047 J047	Henry Bath and Son High Technology Mine and	MF	J215
Asarco	IA	J098	Charter Consolidated ChemLink Inc.	MF	J473	Eastman Kodak	MF	J289		M	M522
TA .1118 MF .1141	MF	J183	Chewron Corn	M	M079 M008	East Rand Gold and Uranium	MF	J396 J065	Hill Minerals	IA	J117
IA J244 MF J267 MF J311	IA	J285 J409	Chevron Corp. Chilean Northern Mines	MF	J067	MF J309 ME J474 East Rand Prop. Mines	MF	J478 J045	Holco Trading	MF	J466 J310
ASEA	16	J429	China International Trust and Investment Corp. China Mational Monferrous	IA	J178		MF	J289	Homestake Mining IA J195 IA J379	MF	J181 J382
Ashton Mining Atlantic Mining Corp.	MF	J345 J042	China National Monferrous Metals Industry			Echo Bay Mines	MF	J081 J382	MF J417	TA	J434
Atlas Copco IA J139 A M134	M	J056 W159	Corporation	M	M162	Economic Committee for Europe (U.N.)	NW	J006	Hudson Bay Mining & Smelting	A	M200 J344
M J340	IA	J361	Cintex Ltd.	M	J077 M353	EDA Instruments EG & G Geometrics	H	3357	Hunting Geology and		
Aur Resources Australasian Mineral	IA	J135	City and Suburban Properties	IA	J098		M	J241 J286	Geophysics Huwood Electric	IA M	J244 J008
Drilling Association Australian Consolidated	IA	J211	Claremont Petroleum Clayton Silver Mines	MF	J122 J400	Egoli Consolidated Mines Eimco Mining Machinery	MF	J436			
Minerals	IA	J343	Cleveland-Cliffs MF J332	MF	J087 J360	Ekco Instruments	N IA	J448 J100	1		
Australian Mineral	MA	J388	Clydesdale (Transvaal)			Elandsrand	MF	J065 J309	ICI	м	J208
Industrias Research				MF	J083 M492	Flders Resources	ME	J251	ICI Australia IHC Holland	MF	J398 J024
Assoc. Australian Mining and	M	J283	Coal & Allied Operations Pty Coal India	P	M007	MF J346 Eldorado Nuclear	IA	J394 J399		H	M261
Smelting	IA	J179 J433	Cocentall-Ateliers de Carspach	н	M523	Endecotts	M	J301	Imetal	MF	J346
Australian Overseas Wining	IA	J193	Codelco MF J268 MW J296	MF	J251 J452	Enerpac English China Clays	MF	J301 J067	Impala Platinum	MF	J478 J141
Australis Mining Austwhim Resources	I A MF	J153 J331	Coeur d'Alene Mines Corp.	MF	J270	Equinox Resources L'Equipment Minier	MP	J231 J260	Imperial Metals Corp.	ME	J142 J243
Aztec Exploration	IA	J359	Colosseum Gold Mines	MF	J436 J478	Equity Silver Erickson Gold Mines	MF	J183	Inco	IA	1360
			Colosseum Gold Mines Columbia Scientific	M	M078	Erickson Gold Mines Eriez Magnetics	MF	J103 J228	MF J104 MF J122	IA	J061 J195
В			Comalco	IA	M078 J080		M	J241	MF J196 IA J266 MW J404 IA J409	MF	J311 J445
-			MF J143 MF J230	MF	J398	European Economic Community EZ Industries	N	J017 J346		TA	1471
Babcock Coal Projects Barrack Mines	I A MF	J245 J047	Combustion Engineering Canada Comex	IA	J434				PT Indo Muro Kencana Industrial Equity	MF	J304 J269
MF J143	MF	J367	Comitol	IA	J096 J025	F			Ingersoll-Rand	M	J056 J343
Barrick Resources Battle Mountain Gold Co.	IA MF	J044 J214	Cominco	IA MF	J011 J143				Inspiration Consolidated		
	MF	J454	IA J266 IA J379	MF	J382	Falconbridge MF J087 MF J122	MP	J067 J229	Copper Inspiration Resources Corp.	IA	J266 J016
Beatrix Bechtel	MF	J309 M008	IA J396 MF J411	MF	J455 J472	IA J266 IA J408	MP IA MP	J450 J456	MF J230 Institution of Mining and	IA	J380
Bell Resources	M	M352 J183	Cominco Alaska	IA	J210	FCS Energy	MF	J048	Metallurgy	M	M257
MF J200 MF J251	MF	J269	Commercial Testing &	IA	J343	Fluor Corporation Flygt AB	MF	J200 M074	Intermorgeo	P	M187 J182
MF J200 MF J251 Berthold (U.K.) Bestobell Mobrey	IA	J340 J286	Engineering	М	M353		M	J191	MF J232		J269
	P	M007		MF MF	J149 J157	FMC Corp. MW J316 IA J380	M	M259 M465	International Lead and Zinc	IA	J043
Black Mountain Mineral Development	MF	J083	Consolidated Gold Fields	IA	J010 J471	NW J316 IA J380 Freeport McMoRan IA J193 MF J311	MP	J083	International Primary		
Blyvooruitzicht	MF	J045 J289		MF	J047	Freeport of Australia	IA	J284	Aluminium Institute (IPAI)	IA	J081
Boart	M	J320	Consolidated Murchison	MF	J289 J086		IA	J450 J307	International Tin Council	NW	J052 J168
Böhler Pneumatic International	16	M077	Consolidated Technologies	M	J170	Free State Cons Gold Mines Free State Geduld	MF	J082	S J076 B J131 H J185 IA J228	IA .	J305
Boliden AB	IA	J010	Construction de Materiels de			ME J084	MF	J122 J040	IA J396 IA J410	AW A	J445 M475
IA J396	MF	J327 J415	Mines Continental Conveyor and	M	M524				International Wrought Copper		
Botswana RST Bougainville Copper	MF	J327 J080	Equipment		M081	G			Iron Ore Co. of Canada	IA	J355 J343
	MF	J181	CRA	MF I A	J030 J098	Galactic Resources	MP	J048		MP	J063
BP Coal Bracken Mines	IA	J408 J014	IA J193 MF J212	MF	J309		MF	J291			
MF J045	MP	J309	Craelius	AI	J360 J180		H IA	M079 J286	u u		
Bradley & Foster Ltd. Bradley Pulverizer Co. Bridge Oil	M	J041 M157	CSR	MF	J251 J455	Geevor Tin		J014 J437			J396
Bridge Oil	MF	J158			J048			J437 J169	Jarvis Clark JKS-Boyles		J228 J392
In											

Johannesburg Consolidated			N			R			Transpacific Resources	MP	J251 J310
Investment MF J067 MF J398 Johnson Matthey	MF LA	J064 J415 J325	National Coal Board	IA		Rahman Hydraulic Tin Ralph M. Parsons Co.	MF	J453	Trelleborg	MP	J310
Jordan Phosphate Mines	MF	J415	National Mine Service Co.	MF		Rammer Oy	P	M102 J467			
Joy Manufacturing	MF	J291 M262	Nerco Minerals	MW	J297 J208	Randfontein	MF	J047 J289			
Joy Process Equipment	M	J097	New Castle Energy Corp. Newco	S	M283 J131	Rami Mines ' IA J100 MF J247 Ransomes & Rapier J. H. Rayner (Mincing Lane)	MF	J045 J345			
K			Newmont Mining IA JOB1 MF J156	MF	J185 J014 J266	J. H. Rayner (Mincing Lane)	IA	J180 J231	0		
Kaiser Aluminum	MF	J063	IA JOB1 MF J156 MF J346 MF J363 MF J417 IA J434	MF	J383 J450	Regent Mining	MF	J159 J478	Union Carbide	MF IA	J030 J260
MF J367 MF J397 Kaiser Engineers	MF 1A	J475 J081	Noranda	IA	J472 J016	Renable Gold Mines	MF	J048 J251	Union Carbide Southern Africa	MF	J291
Kalbara Mining	MF	J399 J454	IA J042 IA J059	MF	J087	Renison Goldfields	MF	J104	Union Miniere	MF	J346
Kamunting Tin Dredging Kennecott	MW	J092 J380	1A J178 MF J183 MF J331 M J356	MF	J307 J378	Reynolds Netals	MF	J197 J063	Union Tin Union Wire Rope	MF	J083 M430
P M102 IA J266 Kerr Addison	MF	J249	MF J398 IA J410 IA J450 IA J452	IA	J434 J472	Richard Mozley Rio Algom	IA.	J356 J011	Unisel Gold Mines MF J045	MF	J014 J309
KHD Humboldt Wedag IA J228	IA M	J211 J260	Nord Resources Norseman Gold Mines	MF	J102 J015	MF J102 MF J183	IA	J325 J353	United States Antimony Corp. Urangesellschaft	MF	J087 J061
Kidston Gold Mines Kilborn Inc. Kinross Mines	A	M016 M112	Norsk Hydro	MF	J129 J331	Rio Tinto Zimbabwe	MF	J158 J383	Urtec Instruments	IA	J194 J392
Kinross Mines	MF	J013 J309	North American Green Inc. North Broken Hill Holdings	MF	M077 J047	Rio Tinto-Zinc Corp.	MF	J016 J159	U.S. Bureau of Wines U.S. Winerals Exploration	ME	J205 J160
K)oof	MF	J045 J289	MF J103 MF J140 Northgate	MF	J269 J268	MW J020 IA J080 IA J211 MF J269 MF J326 ME J330	MF	J311 J383	Utah International	IA	J306 J475
Komalsu M M352 IA J396	M	M258 J429	North Kalgurli Mines	MF	J346	Robbins Co.	IA	J100 J320			0410
Kometa Kone Corp.	MIA	J301 J396	Norton Christensen Wining Products	16	J169	Rock Instruments	M	J024			
Korean Zinc	IA	J286 J463	IA J180	IA	J325	Rooiberg Tin	MF	M354 J083			
Kuala Lumpur Tin Market		2463	0			Rosario Dominicana Rosario Resources	MF	J346 J099			
L			Ok Tedi Wining	IA	J012	Royex Gold Mining Corp.	MF	J048 J232	V		
Lacana Mining Corp.	MF	J030	O'okiep Copper	MW	J371 J083	RTZ Metals Rustenburg	IA	J010 J065	Vaal Reefs IA J195 MW J239	MF	J065
LAC Minerals	MF	J382 J188	OFUC Orange Free State	N	J161	Ryan Consolidated	MF	J435 J158	IA J195 MW J239 Vardax Consultants	MP	J309 M075
MF J382 Laser-Tech Australia	IA	J471 J132	Investments Osborn Conlequip	MF	J309 M008		-	0.200	Venterspost	MF	J045 J289
Lectra-Haul	M	M354 J224	Osborne and Chappel	IA	J396 J451	S			Vestgron Nines NF J190 1A J245	IA	J011 J285
Lenora Explorations Leslie Gold Mines	MF	J417 J013	Outokumpu Oy IA J042 MF J102	MF	J030 J122	St. Helena IA J137	MCF	1045 J309	Vickers Australia	MF	J456 J340
MF J045	MF	J309 J045	MF J182 NW J206	IA	J244	St. Joe Minerals	IA	J136 J379	Vieille Montagne Village Main	MF	J269 J047
	MF	J289 J208	MF J365 IA J396 Oxford Analytical	IA	J434	Salford Electrical	M	J151	Walve BN	MF	J289 J377
Lindley Flow Technology London Metal Exchange	MW	J052	Instruments	IA	J325	Instruments	H	J192	V0140 88	-	9311
S J076 N J186 N J313 B J375	NA.	J223 J405	P			Santa Fe Southern Pacific Corp.	IA	J341			
Loraine Gold Mines	MF	M475 J029	Padaeng Industry	IA	J380	Schroeder Brothers Corp.	MF	J200 J077			
MF J047 Lornex	MF	J289 J037	Page Engineering Palabora	MF	J260 J199	Scintrex Seiger	M	M076 M261			
MF J157 MP J311	MF	J382	Pansour Pan Australian Mining	MF	J456 J310	Sherritt Gordon	M	J376 J044	w		
			Pancontinental Mining	IA	J341 J435	Showa Denko	IA	J472 J143		MF	J384
M			Pannevis	. M	M430 J142	Silverado Mines Silver Lake Resources	IA	J026 J116	Wankie Colliery Warkworth Associates	A	M208
M.A. Hanna Corp.	ME	J087	Paragon Resources	MF	J310	Simon-Macawber	MF	J455 J040	Warman International Warren Morrison Valves	H	J077
Maco-Meudon	MF	J156 M523	Parsons Chain Co. Pechiney	IA	M157 J026	Skega AB Slope Indicator Co.	IA	J081	Wavin Repox	H	M160 M524
Madeleine Mines Malartic Hygrade Gold Mines	IA	J450	Pegasus Gold Corp.	MF	J433 J016	Snamprogetti	M	J281 J008	Weaver & Hurt	N	M161 M353
Malaysia Mining Corp.	MF	J184 J475	IA J153 MF J160	MF	J251 J479	Societe des Mines de La	IA	J027	West Coast Holdings	IA	J042 J153
Maschinenfabrik Korfmann	M	J376	Peko-Wallsend	IA	J061 J341	Houve Societe Le Nickel	A	M485 J452	Western Areas	MP	J047 J470
Man-GHH	A	J096 M134	Penarroya	IA	J266 J417	Soil Instruments Sonora Gold Corp.	MF	J320 J103	Western Continental	MF	J030 J331
Mannesmann Demag Marievale	MF	J429 J045	Pennzoil Co. Permon Krivoklat	MF	J029 M079	Sons of Gwalia	ME	J424 J198	Western Deep Levels IA J194	MF	J065 J309
Martin Engineering	MF	J309 J115	Perusyhtyma	M	J113 M160	Soquem Southern Goldfields	IA	J380 J087	Western Holdings	MF	J082 J085
Marubeni America	MIA	J260 J080	Phelps Dodge	IA	J098 J206	Southern Goldfields Southern Ventures South Roodepoort	MF	J231 J047	Western Mining	MF	J120 J455
Meekatharra Minerals	IA	J323 J337	Philex Mining Corp.	MF	J311	Southwaal Holdings	MF	J289 J065	Westmin Resources	EA.	J243 J045
Meggitt Group	IA	J396 J008	Philippi-Hagenbuch	M	J433 J357	Spescom TMS (Pty) Ltd. Springs Dagga	H	J448 J047	West Rand Cons.	MF	J309
Meusina Metallgesellschaft	MF	J413 J215	Phillip and Lion Pine Point Mines	MF	J216 J193	Standard Chartered Bank Standard Oil	IA	J305 M102	With Creek	MF	J158 J331
IA J226 Metallurgie Hoboken-Overpelt	A	M300 J444	Pioneer Concrete	MF	J213 J438	Steel Engineering Co.	M	J320	Windsor Resources Winkelhaak Mines	MP	J157 J013
Metals Exploration Pacific	MF	J383 J160	Placer Development MF J143 MF J249	A	M016 J473	Stilfontein Sumitomo Metal Mining	MF	J045 J027	Witwatersrand Nigel	MP	J309 J082
Metramar Minerals MIM Holdings	MF	J104	Poclain Potash Corporation of	М	M430	Sunshine Wining IA J305 MF J311	MF	J346 J210	WE JOS6	MF	J309 J346
MF J121 MF J143 Minas de Almagrera S.A.	IA	J472 M132	Saskatchewan	MF	J082	IA J305 MF J311 Swiss Aluminium Australia	MP	J400 J331	Wyseplan Ltd.	M	J056
Minelab Electronic Industries	M	J448	Power Engineers Inc. Pozament Ltd.	IA	J380 J133						
Minerals and Resources Corp.	MF	J269 M526	President Brand	MF	J082	Т					
Miner Enterprises Minor Metals Traders Association	N	J313	President Steyn	MF	J084 J082	TAFRAF Tamrock	M	J376 J466			
Mirrlees Blackstone Mitchell Cotts	MIA	M163 J081	Preussag	ME	J085 J265	Tantalum-Niobium International Study	-	- 100			
Mitsubishi	H	J407 J380	Prieska Copper Mines	MF	J396 J083	Center	IA MF	J433 J045			
	IA	J433 J265	Putzmeister	16 16	J392 J467	Teck Corporation NF J087 IA J135	MF	J436	Z		
Mitaui Mining & Smelting IA J323	IA	J472				Tecnicas Reunidas Terex Equipment	MIA	J208 J180	Zambia Consolidated Copper		1100
Molycorp Mount Pleasant Gold Trust	MF	J118 J122				Texaco Thyssen Great Britcin	MF	J029 J110	Hines	MP IR	J197 J209
MS International Mundix Control Systems	M	J452 J113	Q			Tolltreck Tolsa S.A. Total Erickson Resources	A	J356 M025	Zambia Copper Investments Zimpro Inc.	H	J269 J224
Muscocho Explorations	MF	J332 J394	Quebec Sturgeon Queenstake Resources	IA	J098 J098	Total Erickson Resources Toyo Denki Industrial Co.	MP	J269 M525	Zonge Engineering & Research	M	J286 J407



